Peak District National Park

Forecast valid from 00:00 on Sunday 05 Jun 2022 until 23:59 on Monday 06 Jun 2022

Forecast Issued on Saturday 04 Jun 2022 at 16:55

Confidence: Initially moderate due to unsettled conditions and lower than average confidence in progression of band of rain northwards on Sunday. Unsettled theme expected through much of the week, with low confidence in the detail.

Headline for Sunday 05 Jun 2022: Heavy and thundery rain during the morning, lighter but persistent in the afternoon.

Mountain weather hazards on Sunday 05 Jun 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
Medium Likelihood

Heavy persistent rain
High Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Drizzle	Drizzle	Heavy Rain	Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Light rain
Precipitation probability							
10%	10%	40%	60%	80%	50%	30%	40%

Forecast for Sunday 05 Jun 2022

Weather: Cloudy overnight, especially affecting eastern upslopes, perhaps with a little drizzle in the thicker patches of cloud. Staying cloudy after dawn, with outbreaks of occasionally heavy rain or showers developing across all areas. Rain may turn thundery at times and will become persistent through the morning. Rain becoming lighter but generally persistent into the afternoon. Further heavy rain or showers are then possible through the late afternoon and evening.

Chance of cloud-free hill tops above 600m: 30% in the west, but less than 10% for eastern areas throughout.

Low cloud and visibility: Bases down to around 400m at times in the east through the early hours. Bases then generally around 500m in the rain or showers, perhaps down to 300m in the heavier outbreaks. Visibility generally good under the cloud, but becoming poor or very poor in rain or heavy rain.

Forecast for Sunday 05 Jun 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	22/30 E	22/31 E	22/29 E	24/31 E	22/30 NE	20/28 NE	19/27 NE	18/25 NE	16/22 NE
300	16/27 NE	17/29 NE	16/26 NE	17/26 NE	16/24 NE	14/22 NE	13/21 NE	11/18 NE	10/16 NE
Valley	17/33 E	18/35 E	15/29 E	14/28 E	13/26 E	9/21 NE	9/22 NE	8/20 NE	8/18 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	6/1	6/1	6/1	7/2	7/3	7/2	7/2	7/3
300	8/5	8/4	8/4	9/5	9/6	10/7	9/6	9/6	9/6
Valley	9/6	8/4	9/6	10/7	10/8	11/9	10/8	10/8	9/7
Freezing Level*	2800m	2700m	2600m	2600m	2600m	2600m	2600m	2500m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions are expected to deteriorate quickly through the morning period, with visibility becoming restricted. There is also a medium risk of thunderstorms and lightning within the rain which could develop without warning.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 04 Jun 2022	0mm	0.2mm	0.2mm

Forecast for Monday 06 Jun 2022

Weather: Further risk of rain or showers through the early hours, but gradually easing. Brighter spells developing through the afternoon with some sunny spells possible, but with a risk of some isolated sharp showers developing.

Maximum wind: 10-15mph

Chance of cloud-free hill tops above 600m: 20% but 10% in the east at first. Gradually increasing through the day to 80%.

Low cloud and visibility: Around 300-500m at first in the heaviest rain, with bases likely lower in the east. Bases slowly lifting from early afternoon, with bases mainly above the tops by mid-afternoon, but with a risk of bases down to 500m in scattered heavier showers.

Temperature: **Valleys:** 10 Celsius becoming 15 Celsius.
At 600m: Plus 7 Celsius
Freezing level: Above the summits.